

## 9A REFLECTED CEILING PLAN

SCALE:  $1/8'' = 1'-0''$

**SECTION 10 11 13  
MARKERBOARDS**

**Amendment NO. 3**

**Attachment 2**

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

- A. This section specifies markerboards and related items.
- B. Boards may be either factory or field assembled.

**1.2 RELATED WORK**

- A. 10 22 19, MOVABLE PARTITION SYSTEMS: Marker boards in movable partition systems shall be supplied and installed by movable partition supplier.
- B. 10 22 26, PAIRED OPERABLE PARTITIONS: markerboards in paired operable partitions shall be supplied and installed by paired operable partition supplier.

**1.3 QUALITY ASSURANCE**

Boards shall be the products of one manufacturer.

**1.4 SUBMITTALS**

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.
- B. Shop Drawings: Identifying all parts by name and material and showing design, construction, installation, anchorage and relation to adjacent construction.
- C. Manufacturer's Literature and Data:
  - 1. Markerboard
- D. Samples:
  - 1. Chalkboard and markerboard writing surface, 300 by 300 mm (six by six inches), each color, mounted on backing.
  - 2. Each accessory (after approval, may be used in the work).

**1.5 APPLICABLE PUBLICATIONS**

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American National Standards (ANSI):
  - Z97.1-09.....Safety Glazing Materials Used in Buildings -  
Safety Performance Specifications and Methods of  
Test
- C. American Society for Testing and Materials (ASTM):
  - B221/B221M-08.....Aluminum and Aluminum Alloy Extruded Bars, Rods,  
Wire, Shapes and Tubes
  - C1036-06.....Flat Glass

C1048-04.....Heat-Treated Flat Glass-Kind HS, Kind FT Coated  
and Uncoated Glass

F104-03(R2009).....Nonmetallic Gasket Materials

D. Composite Panel Association (CPA):

A208.1-09.....Particleboard

A135.4-04.....Basic Hardboard

E. Porcelain Enamel Institute (PEI)

1001-11.....Architectural Porcelain Enamel

**PART 2 - PRODUCTS**

**2.1 MARKERBOARD**

Markerboards shall consist of a writing surface, snap on aluminum frame, chalk trough, mullions, display rail and accessories, grounds and other items specified and shown.

**2.2 FABRICATION**

A. Materials:

1. Aluminum, extruded: ASTM B221.
2. Backing: Hardboard, AHBA A135.4 or particleboard, CPA A208.1.

B. Components:

1. Writing Surface: Factory assembly consisting of face sheet of 24 gauge sheet steel with porcelain enamel board texture finish conforming to PEI 1001, laminated to a hardboard or particleboard backing, 9 mm to 13 mm (3/8 to 1/2-inch) thick, and a 0.13 mm (0.005-inch) thick aluminum foil back sheet laminated to back-face. Color of markerboard writing surface to be white.
2. Frames (Trim): Extruded aluminum, 1.5 mm (0.060-inch) thick, snap-on type, approximate face width 44 mm (1-3/4 inch), depth and configuration as required to return to wall and engage clips.
3. Trough: Extruded aluminum, 2.34 mm (0.092-inch) thick, not less than 75 mm (3-inch) projection from writing surface with grooved top surface, closed ends and return to wall surface at underside. Design to be snap-on type with concealed fasteners.
4. Mullions: Snap-on type, same material and face width as frames, designed to finish flush with frame.
5. Grounds: Continuous zinc-coated (galvanized) steel or extruded aluminum members designed to support the board writing surface and clips for snap-on frames, map rail and chalk tray.
6. Clips: Manufacturer's standard as required to support frame, mullions, display rail, and trough.

C. Boards 3660 mm (12 feet) or less in length shall be in one piece.

D. Finish exposed aluminum surfaces as follows:

1. AA 45 chemically etched medium matte, with clear anodic coating Class II Architectural, 0.4 mils thick (AA-M12C22A32).
2. AA 45 chemically etched medium matte, with integrally colored anodic coating, Class II Architectural, 0.4 mils thick (AA-M12C22A32, of color to match approved sample).

**PART 3 - EXECUTION**

**3.1 INSTALLATION, GENERAL**

- A. Install units in accordance with the manufacturer's installation instructions, use concealed fasteners.
- B. Inspect surfaces and related construction to receive units. Partitions shall have reinforcing to receive fasteners. Verify type and placement of reinforcement.
- C. Do not proceed with the installation until reinforcement is in place and surfaces are flat.
- D. Assemble units as specified by the manufacturer.

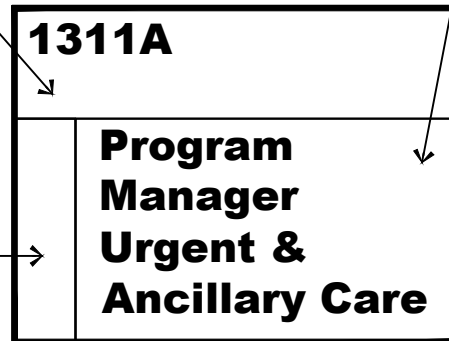
**3.2 INSTALLATION OF CHALKBOARD AND MARKERBOARD**

- A. Mount board with adhesive and blocking pads spaced 16 inches on center each way.
- B. Grounds designed to receive clips for snap-on trim shall be continuous and be secured 300 mm (12 inches) on center. Space clips 300 mm (12 inches) on center.
- C. Miter trim at corners, conceal fasteners. Modify trim as required to conform to surrounding construction details.

- - - E N D - - -

STENCIL ROOM NO. W/WHITE  
ONTO BLUE BACKGROUND,  
SIZE OF SIGN AND LETTERS  
TO MATCH "SIGN 290"  
SIGNAGE CURRENTLY  
INSTALLED IN THE MEDICAL  
CENTER.

DEPARTMENT COLOR AND SIZE  
TO MATCH EXIST. HOSPITAL  
SIGNAGE



STENCIL TEXT IN BLACK LETTERS AND PAINT  
TEXT BACKGROUND TO MATCH EXISTING  
HOSPITAL STANDARDS FOR SIZE AND COLOR

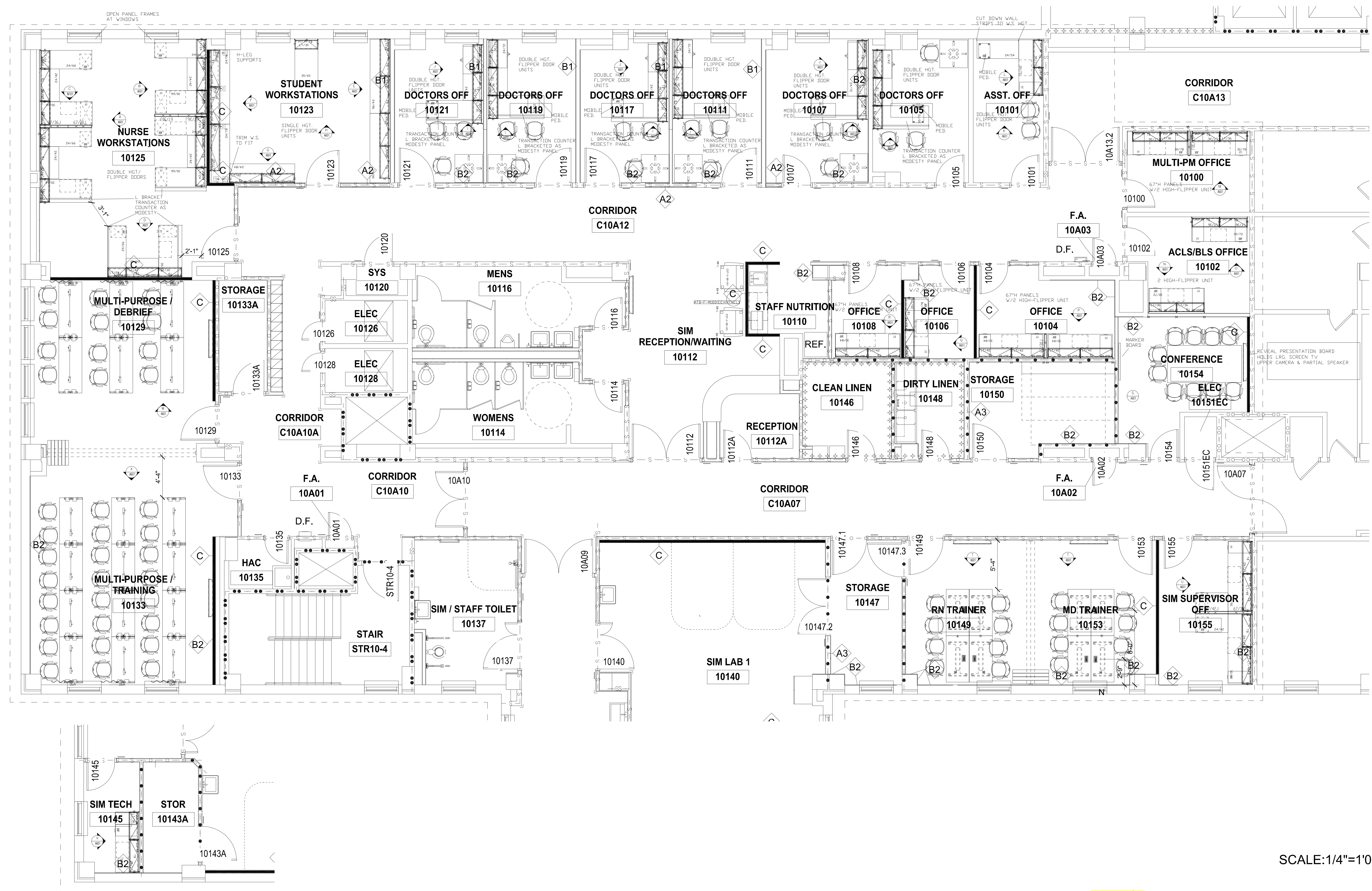
NOTE:

SIGNAGE TO BE TO MATCH EXISTING "SYSTEM 290 SIGNAGE" CURRENTLY INSTALLED IN THE HOSPITAL. USE SCHEDULE AS INDICATED FOR SIGNAGE. ALL COLORS OF SIGNAGE TO MATCH EXISTING HOSPITAL COLOR SCHEME FOR TEXT BACKGROUND, DEPARTMENT BANNER, AND ROOM NO. BACKGROUND.

2 Typical Room Signage Detail  
SCALE: 1/8" = 1'-0"




three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot




SCALE: 1/4"=1'0"

Amendment NO. 3  
Attachment 4

FULLY SPRINKLERED  
100% CONSTRUCTION DOCUMENTS

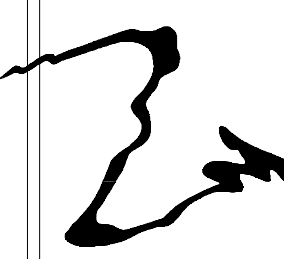


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Drawing Title	Project Title	Project Number	Office of Facilities Management
Approved: Project Director	111 Admin Consolidation of 10AS Sim Lab	695-320 Building Number 111	
	Location	Drawing Number	Department of Veterans Affairs
	VA Medical Center, Milwaukee, WI	A600	
	Date	Checked By:	
	1 May 2013	Drawn By:	



A

B

C

D

E

F

A

B

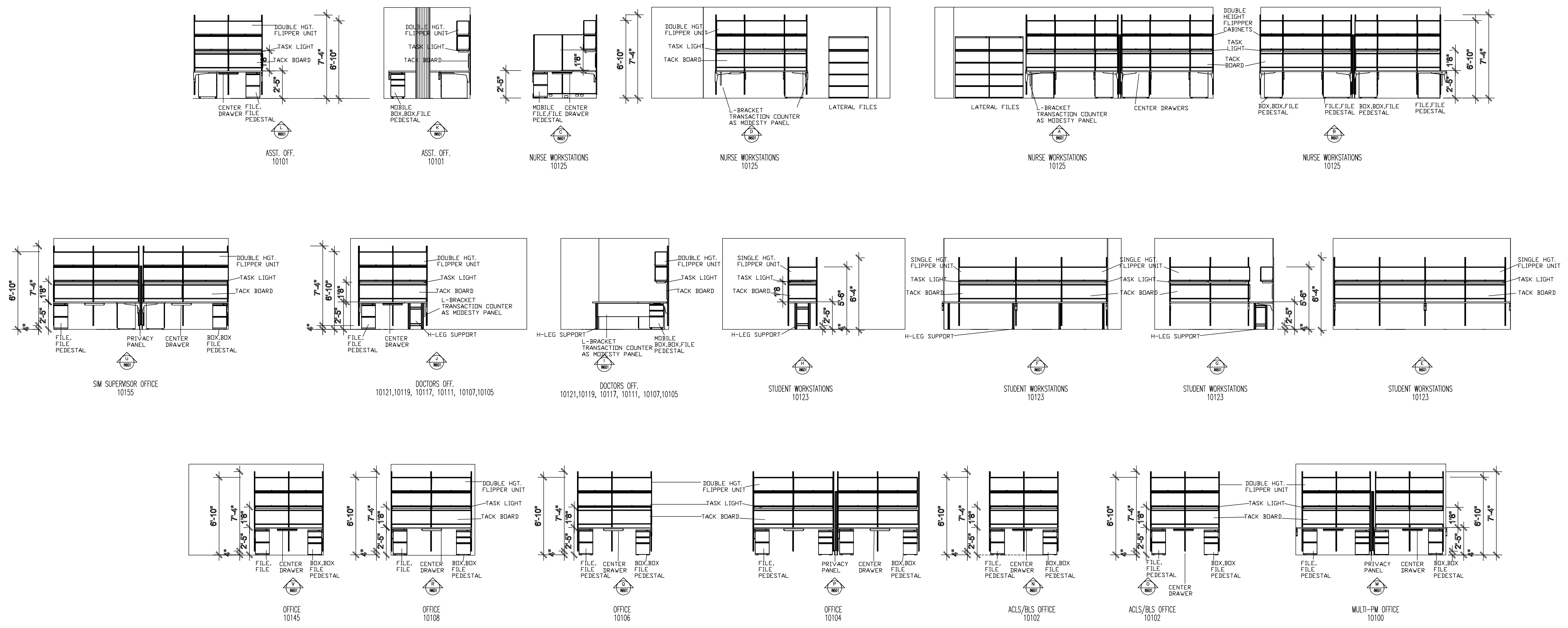
C

D

E

F

three inches = one foot  
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one inch = one foot  
three quarters inch = one foot  
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one quarter inch = one foot  
three eighths inch = one foot  
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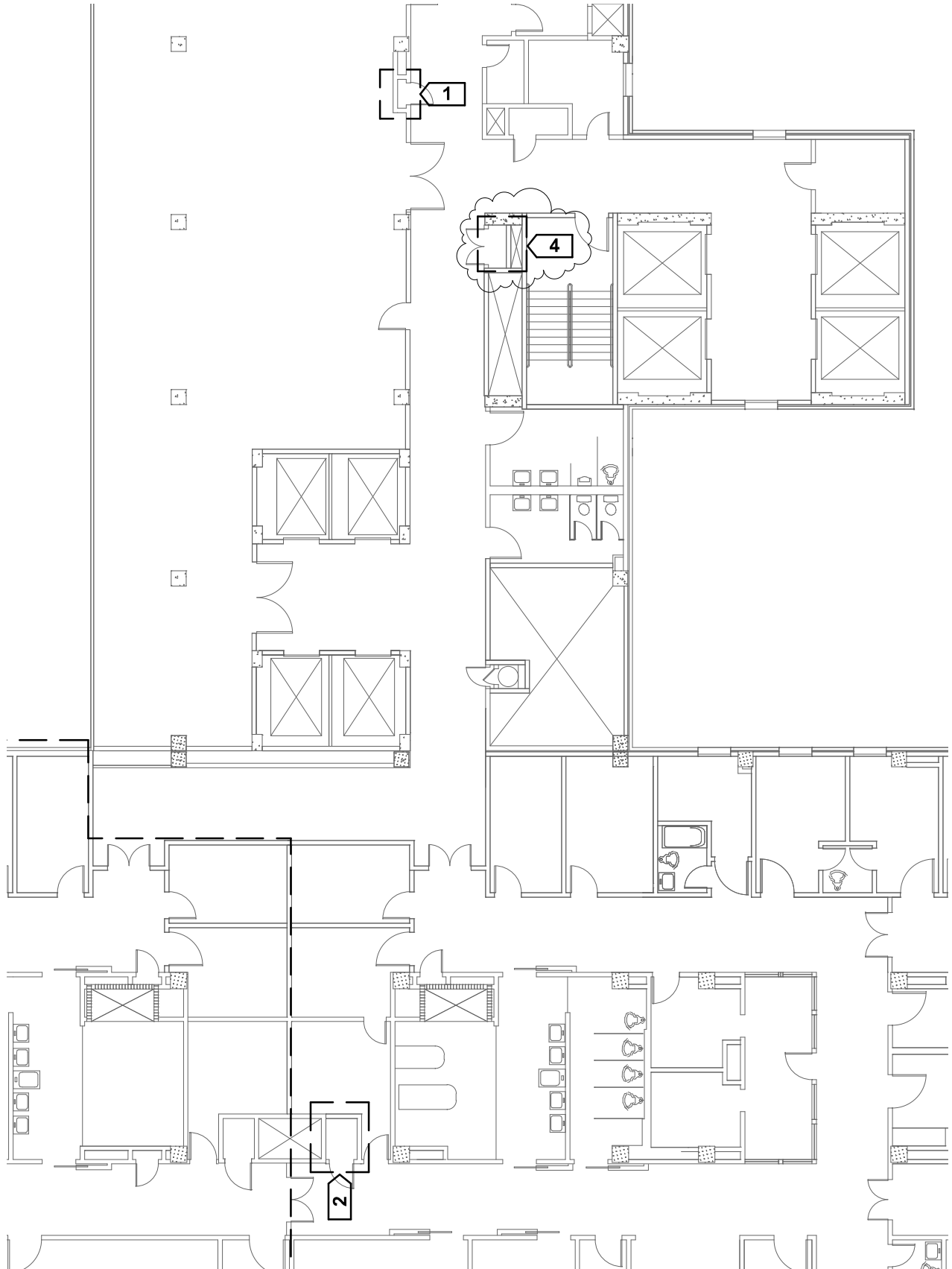


Amendment NO. 3  
Attachment 5

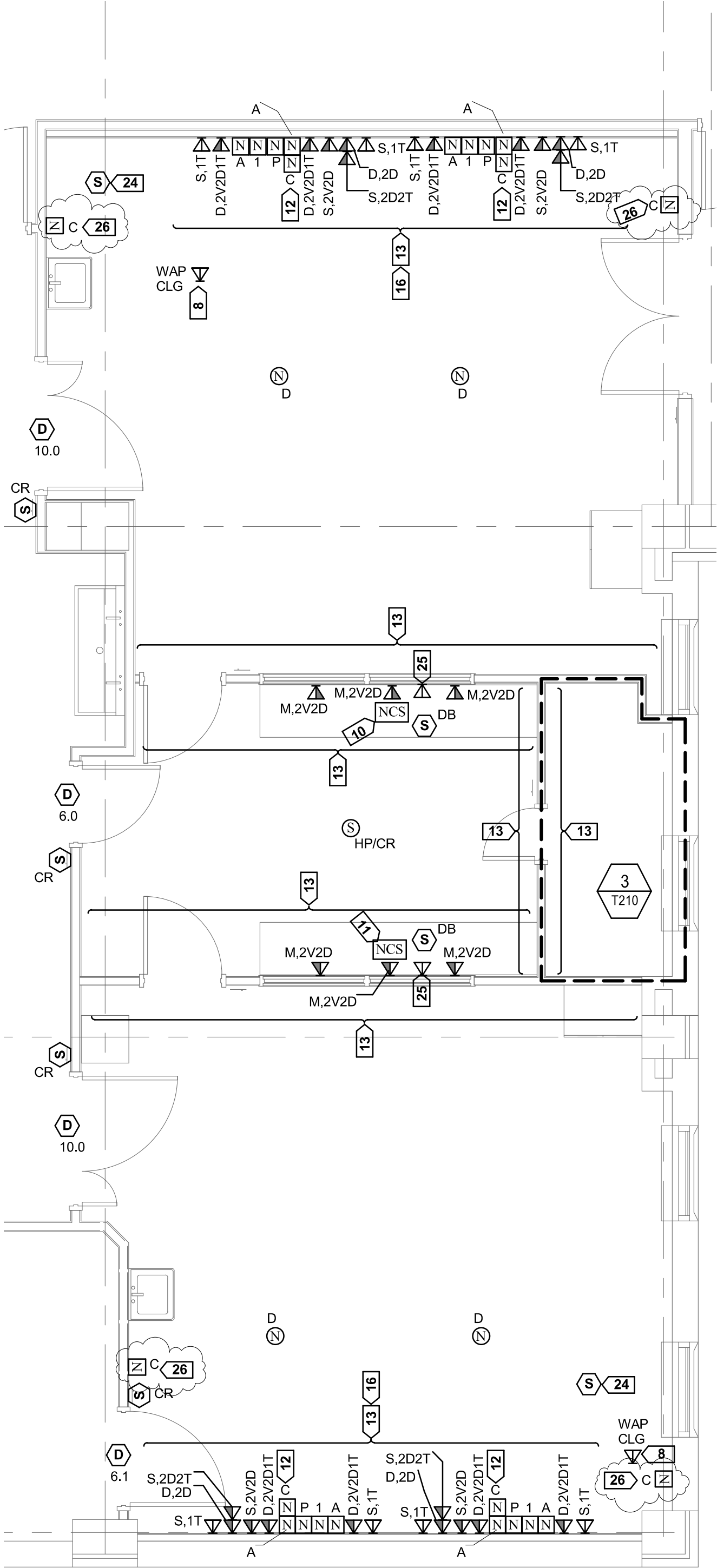
SCALE: 1/4" = 1'0"  
FULLY SPRINKLERED

100% CONSTRUCTION DOCUMENTS

Revisions: Date	 Department of Veterans Affairs Medical Center 5000 W. National Avenue Milwaukee, WI	 DEPARTMENT OF VETERANS AFFAIRS UNITED STATES OF AMERICA	CONSULTANTS:	PROJECT LEADER/ARCHITECT:  CHEQUAMEGON BAY ENGINEERING, INC. MILWAUKEE, WI 902 N. Mayfield Road, Suite 100 Milwaukee, WI 53206 Phone: (414) 258-0054 Fax: (414) 258-0154 ASHLAND, WI 211 South Street West Ashland, WI 54806 Phone: (715) 682-0004 Fax: (715) 682-0025	Drawing Title 10TH FLOOR PLAN - FURNITURE PLAN	Project Title 111 Admin Consolidation of 10AS Sim Lab	Project Number 695-13-112 Building Number 111	Office of Facilities Management 
					Approved: Project Director	Location VA Medical Center, Milwaukee, WI	Date May 30, 2013	



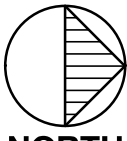




5  
T210

# ENLARGED PLAN - SIM LABS

1/4" = 1'-0"



Amendment NO. 3

Attachment 7